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Datasheet

RS PRO

Stock number:	**180-5956**	**Black tri-rated cable 2.5mm 100m**
	180-5959	**Blue tri-rated cable 2.5mm 100m**
	180-5962	**Brown tri-rated cable 2.5mm 100m**
	180-5972	**Green tri-rated cable 2.5mm 100m**
	180-5965	**Green/yellow tri-rated cable 2.5mm 100m**
	180-5964	**Grey tri-rated cable 2.5mm 100m**
	180-5958	**Orange tri-rated cable 2.5mm 100m**
	180-5966	**Pink tri-rated cable 2.5mm 100m**
	180-5960	**Red tri-rated cable 2.5mm 100m**
	180-5963	**Violet tri-rated cable 2.5mm 100m**
	180-5954	**White tri-rated cable 2.5mm 100m**
	180-5961	**Yellow tri-rated cable 2.5mm 100m**

EN



Manufactured to: -BS 6231 Type CK
-Underwriters Laboratory Listed. Conforms to subject 758 Appliance Wiring Material for Styles 1015, 1028, 1283 and 1284 where applicable.
-Canadian Standards Association approved. Complies with Standard C22.2, No.127, Type TEW

Conductor Stranding: Flexible Plain Annealed Copper

Oil Resistance: This cable is recognised by CSA and UL as resistant to oil at temperatures up to 60°C

Spread of Flame: Tested to BS EN 50265, VW-1 and FT-1

Temperature range: UL and CSA recognised as heat resisting with a maximum conductor operating temperature of 105°C. BS6231 specifies a maximum operating temperature of 90°C for continuous use. Annex A of BS6231 explains how under certain conditions these cables can operate at up to 105°C.

These cables are intended for use in the wiring of switch, control, metering, relay and instrument panels of power switchgear, and for such purposes as internal connections in rectifier equipment and its motor starters and controllers. They are intended for use at alternating voltages not exceeded 600 V to earth, and direct voltages not exceeded 1000V to earth. When installed in the equipment they are suitable for wiring circuits for which the prescribed alternating test voltage does not exceed 4kV r.m.s for 1 minute.
By being approved to three international standards Tri-Rated cable is suitable for equipment installations required to meet both North American and European wiring regulations and codes of practice.

Dimensional Information

Nominal Cross Sectional Area of Conductor (mm^2)	Nominal Stranding of Conductor (mm)	Nominal Overall Diameter (mm)	UL Style Number	Approximate Weight (kg/km)	Maximum Current Rating (Amperes)
2.5	50/0.25	3.7	1015	33	30

Note： For articles 180-5964 / 180-5965, the actual stranding of conductor (mm) may varies 45-50 strands. The Tri-rated cables would still be manufactured to BS6231 and within that standard, Clause 5 states that “The conductors shall conform to BS EN 60228, class 5

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BASEC

BRITISH APPROVALS SERVICE FOR CABLES

Product Certification Schedule

Schedule No:	040/001/329
Licensee:	DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Factory:	DONCASTER CABLES, ARKSEY LANE, BENTLEY, DONCASTER, DN5 0SJ
Specification:	BS 6231:2006 Incorporating Corrigendum No.1 PVC-insulated cables for switchgear and controlgear wiring
Type of Cable:	Table 2 - PVC insulated flexible cable - Type CK
HAR Document:	Not applicable
HAR Specification:	Not applicable
Range of Approval:	0.5sqmm to 95sqmm nominal cross-sectional area of conductors inclusive. Insulation - TI3
Origin Thread:	BLUE/BROWN/GREY/ORANGE
Origin Mark:	DONCASTER CABLES or GB CABLES

PERMISSIBLE MARKS

BASEC

YELLOW ACETATE THREAD

Please refer to the BASEC Product Certification Requirements

Expiry Date: 05/02/2020

Signed for and on behalf of the British Approvals Service for Cables

Date 23/01/2017

This Certificate and Schedule(s) remains the property of BASEC, and shall be returned when required.

UKAS PRODUCT CERTIFICATION

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CSA INTERNATIONAL

Certificate of Compliance

Certificate: 1672361 **Master Contract: 230193**

Project: 1672361 **Date Issued:** June 2, 2005

Issued to: **Doncaster Cables**
Millfields Industrial Estate
Arksey Lane
Bentley, Doncaster
South Yorkshire, DN5 0SJ
United Kingdom

Attention: **Mr. Terry Guest**
Factory Manager

The products listed below are eligible to bear the CSA Mark shown

Issued by: Lina Bartolottta

Authorized by: Calvin McKenzie
Product Group Manager

PRODUCTS

CLASS 5835 01 WIRES Equipment

Type TEW, max temperature rating 105C, 600V, FT1, sizes 26-4/0 AWG. Oil resistance rating 60C.

Note: Approved in single conductor construction only, no shielding or covering.

APPLICABLE REQUIREMENTS

CSA Standard C22.2 No 127-99 – Equipment and Lead Wires

MARKINGS

The CSA Mark, the company name or tradename/trademark or file number 230193, model designation and any other information as specified in the Certification Report.

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CERTIFICATE OF COMPLIANCE

Certificate Number	20130827-E132736
Report Reference	E132736-19901022
Issue Date	2013-AUGUST-27
Issued to:	DONCASTER CABLES MILLFIELDS IND ESTATE ARKSEY LANE,BENTLEY DONCASTER SOUTH YORKSHIRE,DN5 0SJ UNITED KINGDOM
This is to certify that representative samples of	COMPONENT - APPLIANCE WIRING MATERIAL SINGLE-CONDUCTOR THERMOPLASTIC-INSULATED WIRE: 1011,1013,1015,1017,1019,1020,1021,1022,1023,1024,1026,1027,1028,1030,1032,1054,1055,1056,1057,1058,1059,1060,1283,1284
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	Appliance Wiring Material UL 758
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

William R. Carney

William R. Carney, Director, North American Certification Programs

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus